

CD71/Transferrin Receptor Rabbit mAb

Catalog No.: A22161 **Recombinant** **2 Publications**

Basic Information

Observed MW

90kDa

Calculated MW

85kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human

CloneNo number

ARC54396

Background

This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.

Recommended Dilutions

WB 1:80000 - 1:480000

IHC-P 1:200 - 1:2000

IF/ICC 1:100 - 1:400

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

7037

Swiss Prot

P02786

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 100-250 of human CD71/Transferrin Receptor (NP_003225.2).

Synonyms

T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

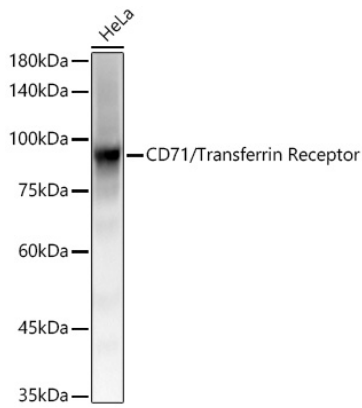
Affinity purification

Storage

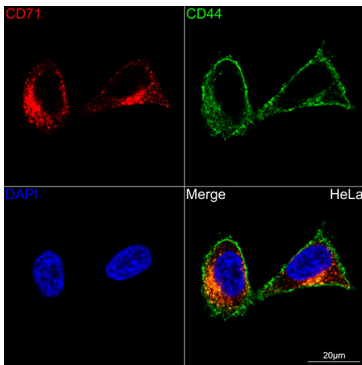
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

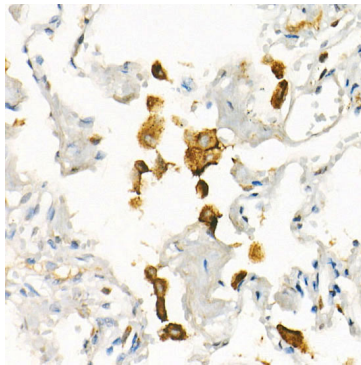
Validation Data



Western blot analysis of lysates from HeLa cells, using CD71/Transferrin Receptor Rabbit mAb (A22161) at 1:80000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Confocal imaging of HeLa cells using CD71/Transferrin Receptor Rabbit mAb (A22161, dilution 1:200) (Red). The cells were counterstained with CD44 Rabbit mAb (A21919, dilution 1:200) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Immunohistochemistry analysis of paraffin-embedded Human lung using CD71/Transferrin Receptor Rabbit mAb (A22161) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.